

***Acer rubrum* Seasonally Flooded Forest [Provisional]**

COMMON NAME	Red Maple Seasonally Flooded Forest
SYNONYM	Red Maple Seasonally Flooded Flat
PHYSIOGNOMIC CLASS	Forest (I)
PHYSIOGNOMIC SUBCLASS	Deciduous forest (I.B)
PHYSIOGNOMIC GROUP	Cold-deciduous forest (I.B.2)
PHYSIOGNOMIC SUBGROUP	Natural/Semi-natural (I.B.2.N)
FORMATION	Seasonally flooded cold-deciduous forest (I.B.2.N.e)

ALLIANCE *Acer rubrum* Seasonally Flooded Forest Alliance

CLASSIFICATION CONFIDENCE LEVEL 3

USFWS WETLAND SYSTEM Palustrine

RANGE

Globally

No information

Great Smoky Mountains National Park

This vegetation was sampled on the Cades Cove quadrangle, but not on the Mount Le Conte quadrangle. It is not expected to be common in the Park. On the Cades Cove quadrangle, this vegetation was found on a disturbed flat along Abrams Creek, on the west end of the Cades Cove Loop Road [NOTE: photointerpreter polygon 10].

ENVIRONMENTAL DESCRIPTION

Globally

No information

Great Smoky Mountains National Park

This is a disturbed, seasonally flooded, flat along a small perennial stream. It is bordered by pastures and fields and was probably grazed and/or cleared in the past. It shows evidence of disturbance by feral hogs.

MOST ABUNDANT SPECIES

Globally

No information

Great Smoky Mountains National Park

Stratum

Species

Tree canopy

Acer rubrum, *Fraxinus americana*

Herbaceous

Microstegium vimineum

CHARACTERISTIC SPECIES

Globally

No information

Great Smoky Mountains National Park

No information

VEGETATION DESCRIPTION

Globally

This is a placeholder for community association(s) to be developed in this alliance.

Great Smoky Mountains National Park

OTHER NOTEWORTHY SPECIES

The open, even-aged canopy is dominated by *Acer rubrum* and *Fraxinus americana*. Other species in the canopy and subcanopy include *Liriodendron tulipifera* and *Pinus rigida*. There is no shrub stratum and the dense herbaceous stratum is dominated by the invasive exotic grass, *Microstegium vimineum*. Other species in the herb stratum include *Boehmeria cylindrica*, *Brachyelytrum erectum*, *Carex species* (*Carex annectens*, *Carex crinita*, *Carex intumescens*, *Carex lurida*, *Carex rosea*, *Carex*

squarrosa), *Chasmanthium laxum* var. *sessiliflorum*, *Elymus virginicus*, *Juncus effusus*, *Ligusticum canadense*, *Lycopus virginicus*, *Polygonum erectum*, *Polygonum sagittatum*, *Smilax glauca*, *Thelypteris noveboracensis*, *Toxicodendron radicans* ssp. *radicans*, and *Viola macloskeyi* ssp. *pallens*.

CONSERVATION RANK G?

RANK JUSTIFICATION

The conservation status of this community has not yet been assessed.

DATABASE CODE CEGL006347

COMMENTS

Globally

Great Smoky Mountains National Park

This vegetation should be mapped at the alliance level. The taxonomic identification of *Fraxinus americana* should be checked in the field. If this tree is *Fraxinus pennsylvanica*, the vegetation may be classified in a different alliance.

REFERENCES

None